

# PATENT COOPERATION TREATY

TRANSLATION

From the  
INTERNATIONAL SEARCHING AUTHORITY

## PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:

Date of mailing  
(day/month/year)

Applicant's or agent's file reference

**IP050102T**

**FOR FURTHER ACTION**

See paragraph 2 below

International application No.

**PCT/JP2005/000265**

International filing date (day/month/year)

**13.01.2005**

Priority date (day/month/year)

**22.01.2004**

International Patent Classification (IPC) or both national classification and IPC

Applicant

**FUJIKIN INCORPORATED**

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JIP

Authorized officer

Facsimile No.

Telephone No.

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International application No.

PCT/JP2005/000265

Box No. I

Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language  
\_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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PCT/JP2005/000265

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO
2. Citations and explanations:			
<p>[List of documents]</p> <p>Document 1: JP, 8-233192, A (Nichias Corp.), 10 September, 1996 (10.09.96), full text, Figs. 1-5</p> <p>Document 2: JP, 59-20460, Y2 (Kyushu Sekisui Kogyo K.K.), 14 June, 1984 (14.06.84), full text, Figs. 1-7</p> <p>Document 3: US, 6260725, B1 (Advanced Micro Devices, Inc.), 17 July, 2001 (17.07.01), full text, Figs. 1-6</p> <p>Claims 1-10</p> <p>Documents 1-3 are reference drawings showing the general state of the art in the technical field concerned.</p> <p>None of the documents cited in the ISR describes or suggests a vacuum heat insulation valve consisting of (a) a valve having a valve body and an actuator and (b) a vacuum heat insulation box accommodating the said valve, in which (1) the vacuum heat insulation box consists of a lower rectangular vacuum jacket having cylindrical vacuum heat insulation pipe receivers on a lateral face and open at the top face and an upper rectangular vacuum jacket open at the bottom face and air-tightly engaged with the lower vacuum jacket, with the upper vacuum jacket on the lower vacuum jacket; (2) the inner and outer walls of the lower vacuum jacket are bent inwardly at the top end, to form a collar, for forming a joint portion; (3) the outer wall of the lower vacuum jacket is bent outwardly at the middle portion in the height direction, to form a collar, for forming a joint portion; (4) the inner and outer walls of the upper vacuum jacket are bent outwardly at the bottom end, to form a collar, for forming a joint portion; (5) the vacuum heat insulation side wall of the upper vacuum jacket is positioned outside the vacuum heat insulation side wall of the lower vacuum jacket, for combining both the jackets; and (6) the joint portion at the bottom end of the upper vacuum jacket and the joint portion on the outer wall side of the lower vacuum jacket are kept in air-tight contact with each other through a heat insulating material layer, while the inner wall of the ceiling portion of the upper vacuum jacket and the joint portion at the top end of the lower vacuum jacket are kept in air-tight contact with each other through a heat insulating material layer.</p>			